

ENGINEERING • PLANNING • DEVELOPMENT • MANAGEMENT

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March 6, 2012

LAND USE OFFICE

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Ms. Constance Brawders
Town of Barrington
PO Box 660
Barrington NH 03825

SUBJECT: Tropic Star Convenience – Map 238 – Lot 4
Engineering Review

Dear Ms. Brawders:

As requested, we have completed our review of the revised plans and materials for the above referenced project. The plan set consisted of 17 sheets with a February 14, 2012 revision date and a drainage analysis with a February 14, 2012 revision date. The following were comments noted during the review.

1. The septic system has been revised to a standard stone and pipe system. However, a note on Sheet S1 still refers to the Enviro-Septic System. This discrepancy should be corrected. Also, it is not clear if the revised septic design has been submitted to NHDES for review and approval.
2. Our interpretation of the definition for "structure" is that the underground storage tanks are structures and would not be allowed in the side setback.
3. The response letter from Jones & Beach states that the plan allows for the cueing of 7 vehicles for the drive-thru lane. Several of these vehicles would block parking spaces. We estimate that only 3-4 vehicles could safely cue in this area without blocking proposed parking spaces.
4. The response letter states that the painted island at the westerly entrance is needed for truck access. We would recommend that a truck turning plan be provided.
5. The response letter does not address our concern regarding the potential for excessive cueing on and off site for vehicles attempting to turn left onto and from the site during AM and PM peaks when traffic along Route 125 is backed up beyond the site. We view this as a major issue and further consultation with NHDOT will be required.


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6. The revised plans provide an impermeable liner and deep sump hooded catch basins for the north and south swales. However, the sheet flow from the parking and drive-thru lanes at the rear of the site has no treatment prior to entering the detention basin.
7. The issue regarding a New Hampshire landscape architect stamp has not been addressed.

If you should have any questions or comments, please call me.

Very truly yours,

DuBOIS & KING, INC.



Jeffrey A. Adler, P.E.
Senior Project Manager

JAA/js

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